

DIRECTIONS FOR USE AND MAINTENANCE



Lyman "M5" **OHAUS** M5 PRECISION LOADING SCALE

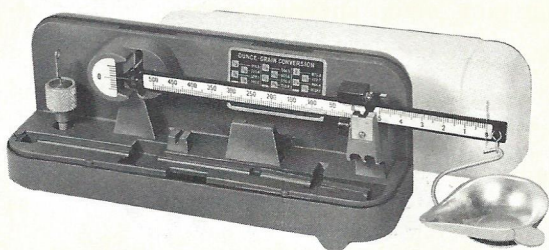
OHAUS SCALE CORP. • UNION, NEW JERSEY

UNPACKING AND SETUP

Remove the scale from the carton and discard the outer plastic wrapper. Turn the scale upside down and loosen the large acorn nut at the left end, using a wrench or pliers.

Place the scale on a reasonably flat and level surface. To remove the cover, apply thumb pressure at the depression in the front-center of the cover and lift off. Note that your "M-5" is designed to self-store all its parts. Remove the pan support and pan and set to one side. Press down on the right end of the beam and the left end will rise for easy removal from base. The plastic sheet used for shipping protection can be discarded. Insert the beam in its bearings and hang the pan support and pan from the end loop, as illustrated below.

Your "M-5" is now ready for weighing.



WEIGHING

Obtain a zero-balance by setting both poises at zero and adjusting the leveling screw, located at the left end of the base, until the beam pointer lines up with the zero graduation on the dial.

To weigh something, such as the throw of charge from a powder measure, place it in the scale pan. Move the large poise to the first notch which causes the beam pointer to drop below zero and then move it back one notch. Now move the small poise to the notch which brings the beam pointer to zero. The weight is the sum of the two poise readings.

For objects exceeding 505 grain, use the 500 grain attachment weight, stored in the leveling screw for handy access, which extends the capacity to 1005 grains. Hang the attachment weight from the knife-edge which protrudes from the pointer end of the beam, and proceed to weigh as before, using the poises. The weight, when using the attachment weight, is 500 grains plus the sum of the poise readings.

Your "M-5" is equipped with magnetic damping which speeds weighing without affecting sensitivity or accuracy. It operates on the principle of a permanent magnetic field acting on a nonmagnetic copper damper vane.

CARE AND MAINTENANCE

Your "M-5" should be stored in its case when not in use. This offers the greatest protection against accidental damage and dirt. To assure that the attachment weight does not fall out of its storage place, the leveling screw should be in its highest position before putting cover on.

Keep the scale clean at all times and be particularly careful to prevent the accumulation of dirt on the pivots and bearings. Never apply oil or any lubricant to the pivots or bearings; this will lower the accuracy of the scale.

The cover is made of high-impact polystyrene and should last for the life of the scale. However, it should be stored away from high temperatures.

OUNCES TO GRAINS CONVERSION TABLE

$\frac{1}{2}$	218.8	$1\frac{1}{2}$	656.3
$\frac{9}{16}$	246.1	$1\frac{9}{16}$	683.6
$\frac{5}{8}$	273.4	$1\frac{5}{8}$	710.9
$\frac{11}{16}$	300.8	$1\frac{11}{16}$	738.3
$\frac{3}{4}$	328.1	$1\frac{3}{4}$	765.6
$\frac{13}{16}$	355.5	$1\frac{13}{16}$	793.0
$\frac{7}{8}$	382.8	$1\frac{7}{8}$	820.3
$\frac{15}{16}$	410.2	$1\frac{15}{16}$	847.7
1	437.5	2	875.0
$1\frac{1}{16}$	464.8	$2\frac{1}{16}$	902.3
$1\frac{1}{8}$	492.2	$2\frac{1}{8}$	929.7
$1\frac{3}{16}$	519.5	$2\frac{3}{16}$	957.0
$1\frac{1}{4}$	546.9	$2\frac{1}{4}$	984.4
$1\frac{5}{16}$	574.2	$2\frac{5}{16}$	1011.7
$1\frac{3}{8}$	601.6	$2\frac{3}{8}$	1039.1
$1\frac{7}{16}$	628.9	$2\frac{7}{16}$	1066.4
$1\frac{1}{2}$	656.3	$2\frac{1}{2}$	1093.8